

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 6547

**TITLE:** PLANT MECHANIC III

**GRADE:** S-18

**DEFINITION:**

Under supervision, serves as lead mechanic and performs highly skilled mechanical work in the maintenance and repair of specialized machinery in wastewater pumping stations, sewage treatment plants, and flow metering stations located throughout the County; and performs related work as required.

**DISTINGUISHING CHARACTERISTICS OF THE CLASS:**

Employees in this class are highly skilled journey-level mechanics who have normally progressed from the Plant Mechanic II level on a selective basis in consideration of acquired experience, individual aptitudes and demonstrated proficiency in performing the associated tasks. Work is performed within standard policies and procedures; however, a high degree of independent judgment is exercised due to the nature of the duties involved. Incumbents act in the capacity of working leaders over a limited number of subordinate level Plant Mechanics in the performance of large and/or complex maintenance and repair jobs. Additionally, the incumbents may, in the absence of a Plant Maintenance Supervisor, temporarily assume higher level supervisory responsibilities which may include evaluating the job performance of Plant Mechanic(s) II.

**ILLUSTRATIVE DUTIES:**

Performs highly skilled mechanical maintenance on plant process equipment and executes all major mechanical repairs and overhauls, to include rebuilding plant machinery and equipment (such as heavy duty pumps, large heavy duty motors, compressors, vacuum pumps, electrostatic air filters, chlorinators, evaporators, incinerators and other process equipment);  
Uses a variety of power and hand tools (e.g., drills, saws, grinders, acetylene cutting torches, radial saws, and torque wrenches);  
Performs minor electrical repair and plumbing work as necessary;  
Determines causes of failure and takes immediate and independent corrective action;  
Sets up and aligns all types of process equipment;  
Maintains a record of preventive and corrective maintenance required, maintenance performed, materials used, and work hours needed to accomplish tasks;  
Assists the Plant Maintenance Supervisor in the analysis of equipment failures and repair action required;  
Assigns and oversees the work of the maintenance crew in the absence of the Plant Maintenance Supervisor;  
Serves as lead mechanic when one or more Plant Mechanics and helpers are assigned to a large, complex repair or overhaul job;  
Trains and oversees entry-level mechanics;  
May assist in creating and maintaining a computerized preventive maintenance and equipment data base;  
Uses equipment diagrams to analyze failures and order repair parts.

**REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

Knowledge of the methods, tools and equipment used in mechanical maintenance and repair work;

Knowledge of occupational hazards and applicable safety practices;

Skill in diagnosing and repairing a wide variety of mechanical equipment;

Ability to effectively perform assigned duties in the absence of direct guidance or assistance;

Ability to supervise and instruct subordinates;

Ability to understand and follow oral and written instructions;

Ability to read, understand, and follow manufacturers' service and repair manuals;

Ability to keep records and write work-related reports;

Ability to use hand and power tools skillfully, efficiently and safely;

Dexterity necessary to perform all tasks;

Ability to distinguish colors of electrical wiring;

Ability to lift and carry objects weighing up to 50 pounds (either alone or with one or more co-workers) while moving or placing heavy motors and other water pollution control equipment being repaired or maintained;

Ability to perform work while stooping, bending, working in tiring and uncomfortable positions, or regularly working on a scaffold.

**EMPLOYMENT STANDARDS:**

Any combination of education, experience, and training equivalent to the following:

High school graduation or a G.E.D. issued by a state department of education; PLUS

Five years of work experience, two years of which must have been at a level equivalent to Plant Mechanic II or above.

**CERTIFICATES AND LICENSES REQUIRED:**

Possession of a valid Motor Vehicle Driver's License is required for some positions in this class.

REVISED: October 12, 1995

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